



A TOOL TO CONTROL ALL OF THEM

DEVOOPS 2023



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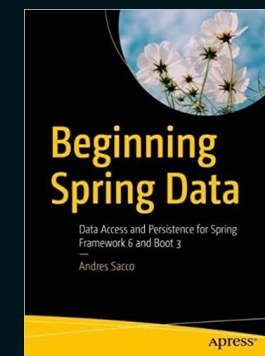
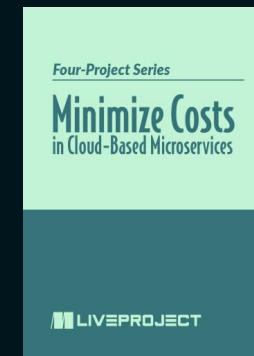
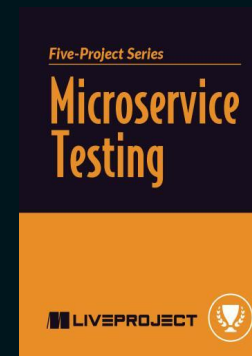
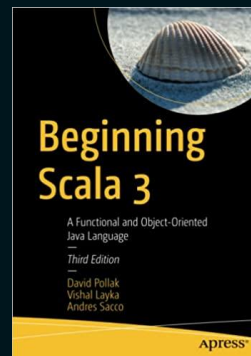
ABOUT ME

I've worked as developer since 2007 using different languages like Java, Kotlin, Scala, PHP, and NodeJS.

I've participated as a Technical Reviewer of Packt, Apress, and Manning books.

I published books, courses, and different theoretical-practical projects.

I participated as speaker on different conferences.



> CONTEXT

You work in a company which have applications and libraries

YOU HAVE DIFFERENT TOOLS TO SOLVE A SET OF PROBLEMS

MOST OF THE TOOLS ARE NOT CONNECTED

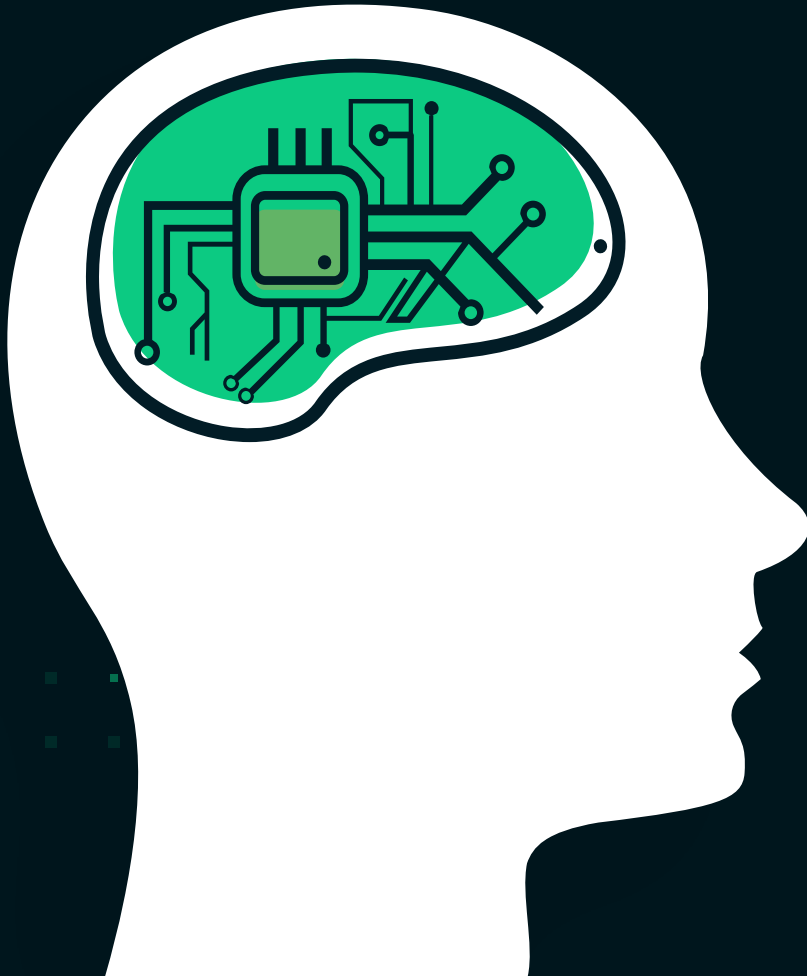


EACH TOOL COULD HAVE THEIR OWN USERS AND ROLES

NOT ALL IN THE COMPANY KNOWS THE DIFFERENT TOOLS

> WHICH IS THE PROBLEM?

There is a series of problems associated with tools



YOU DON'T KNOW THE REAL STATUS OF EACH COMPONENT

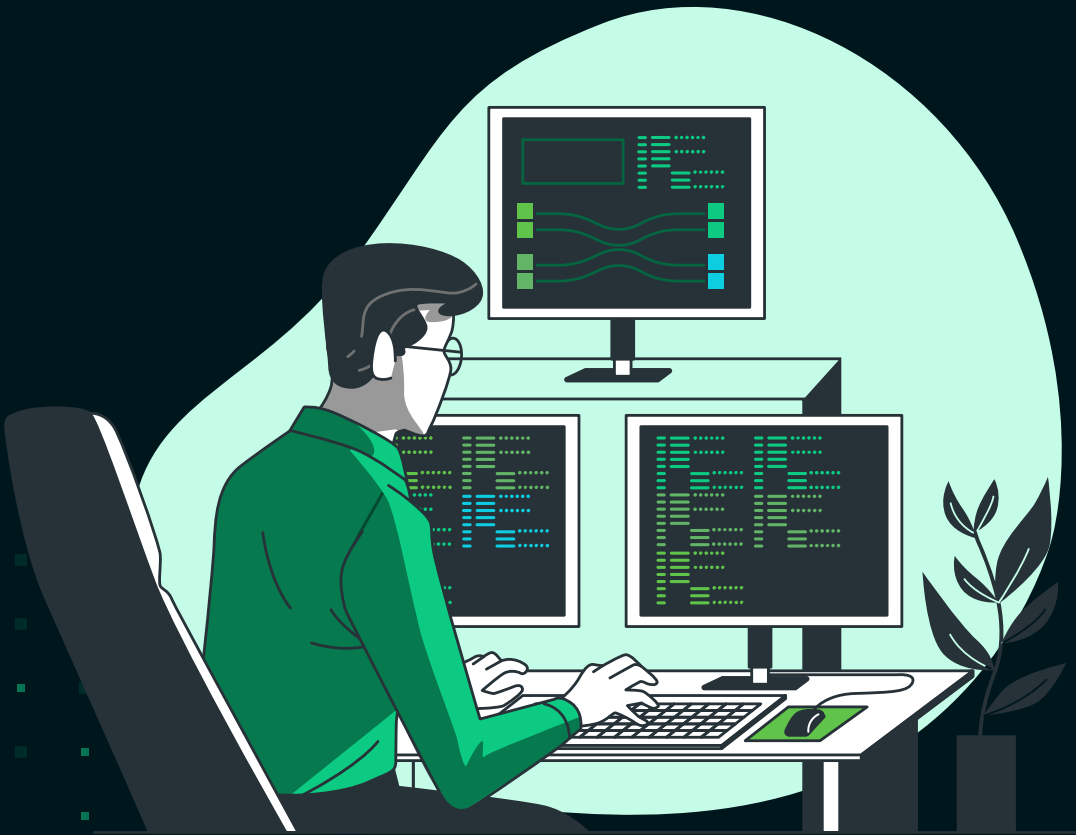
IT'S DIFFICULT TO SHARE CERTAIN INFORMATION

YOU DON'T KNOW HOW MANY COMPONENTS EXISTS

HOW INTERACT THE DIFFERENT COMPONENTS?

> WHAT IMPLIES THIS PROBLEM?

You need to understand what implies for you this problem day to day



EACH TOOL HAVE A SPECIFIC
NAME FOR AN APPLICATION

SPEND TOO MUCH TIME TO COLLECT
OR FIND INFORMATION

EACH NEW TOOL THAT YOU ADD
IMPLIES MORE TIME

NOT ALL THE TOOLS FOLLOW A
PATTERN NAME FOR APPLICATIONS

> WHICH ALTERNATIVES EXIST?

There are many ways to solve this problem

MANUALLY

Someone in the company need to find all the information on multiples places

DOCUMENT

Create a document which contains all the links for the same application on multiples tools

AUTOMATICALLY

Use a tool that connect and collect the information from multiples sources

> WHY BACKSTAGE IS A GOOD ALTERNATIVE?

This tool is the alternative to reduce the time to have a report about the applications and

OFFERS THE POSSIBILITY
TO HAVE A CATALOG WITH
ALL YOUR APPLICATIONS

THERE ARE SEVERAL
PLUGINS TO INTEGRATE
WITH MANY TOOLS

IT'S OPEN-SOURCE AND
USE IT FOR MANY
COMPANIES

YOU CAN CREATE YOUR
OWN PLUGINS

YOU CAN CREATE A
TEMPLATE TO CREATE
APPLICATIONS QUICKLY

> WHAT IMPLIES THE USE OF BACKSTAGE?

Not everything is great with the use of this tool because you need to consider

NEED TO CREATE THE FIRST
VERSION OF ALL THE DOCUMENTS

EXPLAIN THE USE OR BENEFITS
TO ALL THE COMPANY

FIND STRATEGIES TO MEASURE
THE USE OF THE TOOL

NEED TO HAVE A RESPONSIBLE TO
MAINTAIN AND UPDATE THE TOOL

CONTROL THE COST ASSOCIATED
WITH THIS KIND OF TOOL

> WHICH ARE THE MAIN PROBLEMS?

There are a series of problems to consider

NOT ALL
THE
COMPANY
WANT TO
USE IT

BAD
STRATEGY TO
IMPLEMENT
THE FIRST
TIME

CONTINUOUS
ADDING SUPPORT
TO NEW TOOLS

THE C-LEVEL OR
MANAGERS NOT
PRIORITIZE THE
USE

> EXAMPLE

Let's see an example



> HOW CAN START TO USE IT?

This tool implies that you follow a plan to reduce the risk of failure

Connect the tool with other services and modify the files

Do meeting to explain the benefits of tool and track the advances of the use

LOCALLY

CONNECT

EARLY
ADOPTERS

EVANGELIZE

Do small tests with real information on your machine

Find teams or people to start using the tools to have frequent feedback

> BEST PRACTICES

TRY LOCALLY

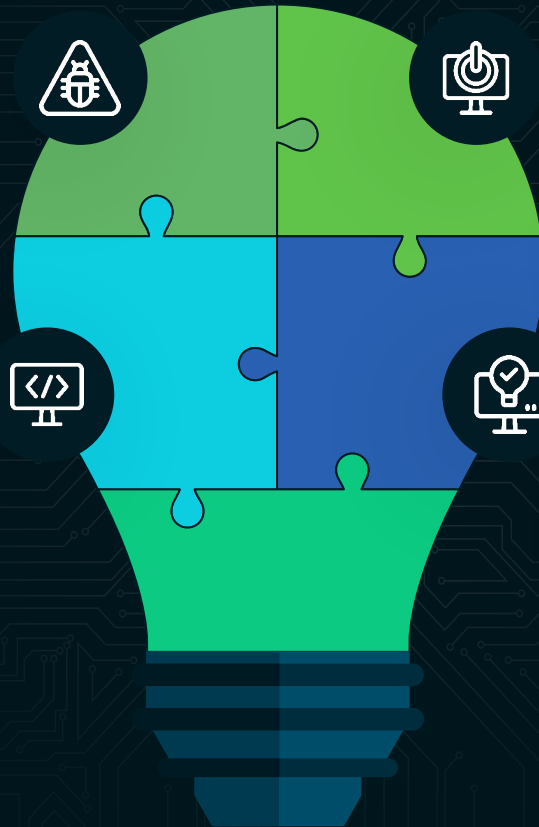
TESTS EVERYTHING ON YOUR MACHINE

STRATEGY

DEFINE A WAY TO IMPLEMENT THE TOOL GRADUALLY

INTEGRATE

INTEGRATE WITH SOME TOOLS AT THE BEGINNING



EARLY ADOPTERS

FIND TEAMS THAT HELP YOU TO TESTS THE TOOL

TEMPLATE

CREATE A TEMPLATE THAT SIMPLY THE PROCESS

RESPONSIBILITIES

DEFINE HOW IS THE RESPONSIBLE OF THE TOOL

> ADDITIONAL RESOURCES

Here some useful links

backstage.spotify.com

discord.gg/mupmip2

github.com/backstage/community



THANKS

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